

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

10/01/2011

Erik Bennett
Assistant District Attorney, Suffolk County

Dear ADA Bennett,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

| | | |
|---------------------|-----------------------------|------------------------|
| Related Coursework: | Analytical Chemistry | Physical Chemistry |
| | Organic Chemistry I and II | Instrumental Chemistry |
| | Biochemistry | Forensics Laboratory |
| | Chemistry of Criminalistics | Physical Evidence |
| | Anatomy | Physiology |

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

DRUG RECEIPT

CC # [REDACTED]

BOOK # 31PAGE # 17

DESTRUCTION # _____

District/Unit

Area A7 GOLF

Name & Rank of Arresting Officer

Morris / Albanese

ID#

12236
102329

DEFENDANT'S NAME

ADDRESS

CITY

STATE

E. BostonMA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBERKlonopin1 pill2.18gPhenobarbital18 pills4.37g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

[Signature]
[Signature]

ID#

9370

Received by

Date

3-23-11

ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 6-3-11

Amount: 1.0
No. Cont: 1 Cont: pb
Date Rec'd: 03/23/2011
Gross Wt.: 2.18

Subst: TAB

No. Analyzed:

Net Weight:

Tests: 1 ASD
2 DJR

Prelim: clonazepam Findings: Clonazepam

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 6-2-11

Amount: 18.0
No. Cont: 1 Cont: pb
Date Rec'd: 03/23/2011
Gross Wt.: 4.37

Subst: TAB

No. Analyzed:

Net Weight:

Tests: 1 ASD
2 DJR

Prelim: phenobarbital Findings: Phenobarbital

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston. ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

1 green round tablet
17-pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.1674

TEUP

833

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Mundor & R

PRELIMINARY TEST RESULTS

RESULTS clonazepam

DATE 05-23-11

GC/MS CONFIRMATORY TEST

RESULTS clonazepam

MS
OPERATOR ASJ

DATE 6-3-11

Drug Information

DRUG NAME: CLONAZEPAM

INGREDIENTS: CLONAZEPAM -- 1 MG

Color: Green

Shape: Circle

Imprint: 833 This tablet is debossed with 833 above the scored line and TEVA on the unscored side , TEVA

Form: Oral Tablet

Available-Container-Size: Bottle of 100 , Bottle of 1000 , Bottle of 500

AAPCC Code: 007000 -
Benzodiazepines

NDC: 00093-0833-93

00093-0833-10

00093-0833-05

00093-0833-01

Excipients: Lactose
(Monohydrate) ; Magnesium
Stearate ; Cellulose,
Microcrystalline ; Povidone ; Water,
Purified ; Starch, Corn ; D&C Yellow No.
10 Aluminum Lake ; FD&C Blue No. 1
Aluminum Lake

Regulatory Status: Schedule IV

Availability: United States

Product ID 7150694

Contact: Teva Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASN

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

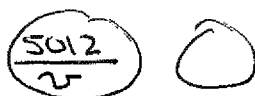
18 white round tablet
in pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 2.3574



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Monomer A (P)

PRELIMINARY TEST RESULTS

RESULTS phenobarbital

DATE 5-23-11

GC/MS CONFIRMATORY TEST

RESULTS phenobarbital

MS
OPERATOR DSR

DATE 6-2-11

Drug Information

DRUG NAME: PHENOBARBITAL

INGREDIENTS: PHENOBARBITAL -- 30 MG

Color: White

Shape: Circle

Imprint: 5012; V

Form: Oral Tablet

Available-Container-Size: Bottle of
100 , Bottle of 1000

AAPCC Code: 005000 - Long Acting
Barbiturates

NDC: 00254-5012-28

00254-5012-38

Regulatory Status: Schedule IV

Availability: United States

Product ID 5567726

Contact: Vintage Pharmaceuticals

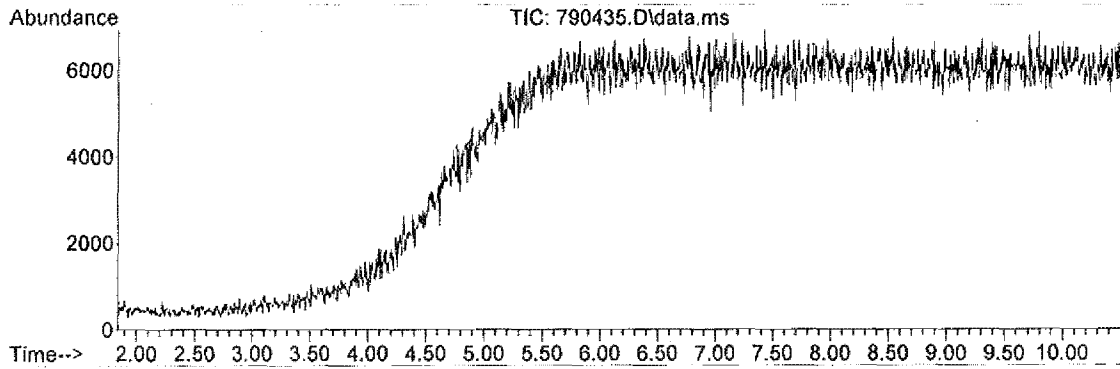
Copyright © 1974-2011 Thomson Reuters. All rights reserved.

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790435.D
Operator : DJR
Date Acquired : 2 Jun 2011 19:36
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: CLONAZ.M
Integrator : RTE

✓ DJR
9-29-11



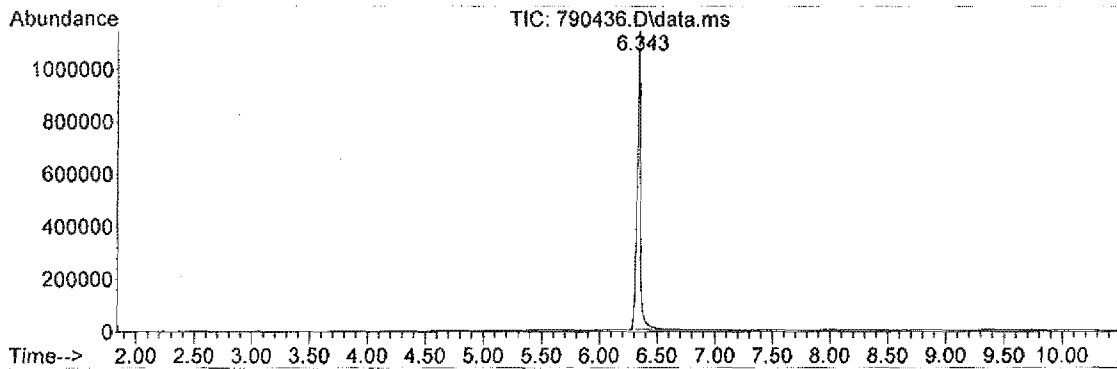
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790436.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 19:49
 Sample Name : CLONAZEPAM STD
 Submitted by :
 Vial Number : 36
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.343 | 2342952 | 100.00 | 100.00 |

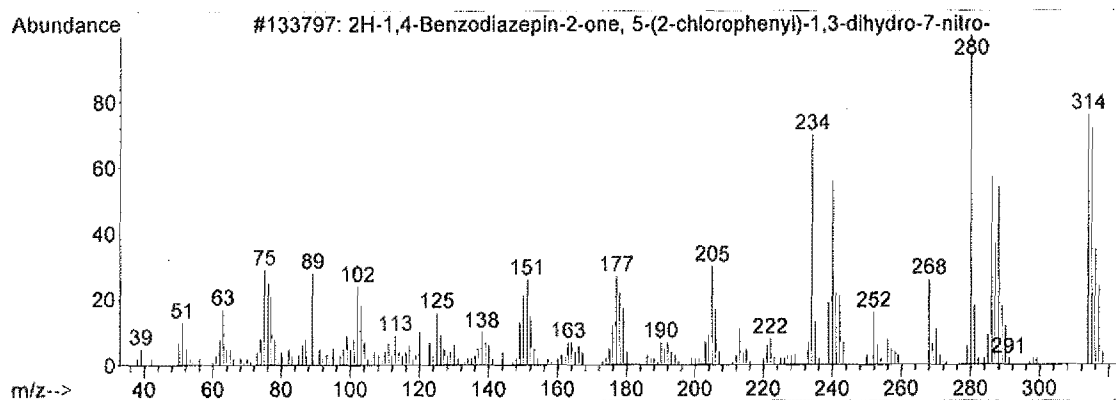
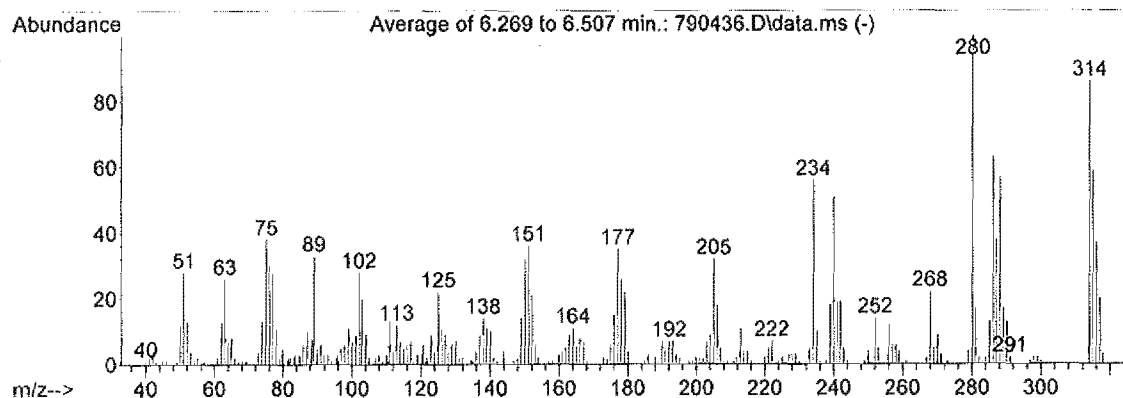
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790436.D
Operator : DJR
Date Acquired : 2 Jun 2011 19:49
Sample Name : CLONAZEPAM STD
Submitted by :
Vial Number : 36
AcquisitionMeth: CLONAZ.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

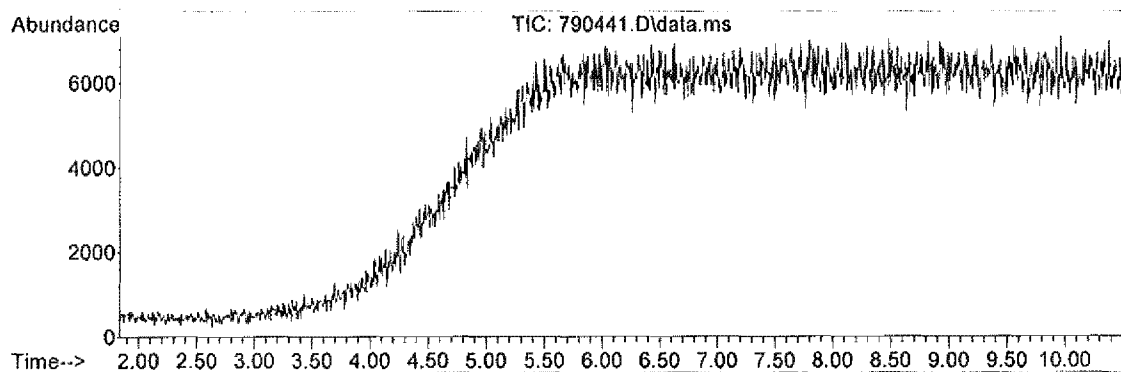
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 6.34 | C:\Database\NIST05a.L | | |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790441.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 20:54
 Sample Name : BLANK
 Submitted by : ASD
 Vial Number : 1
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE



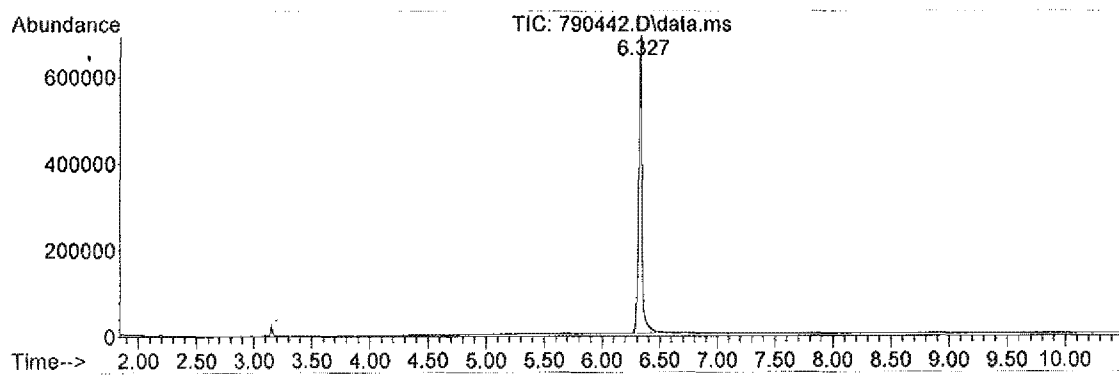
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790442.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 21:07
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE

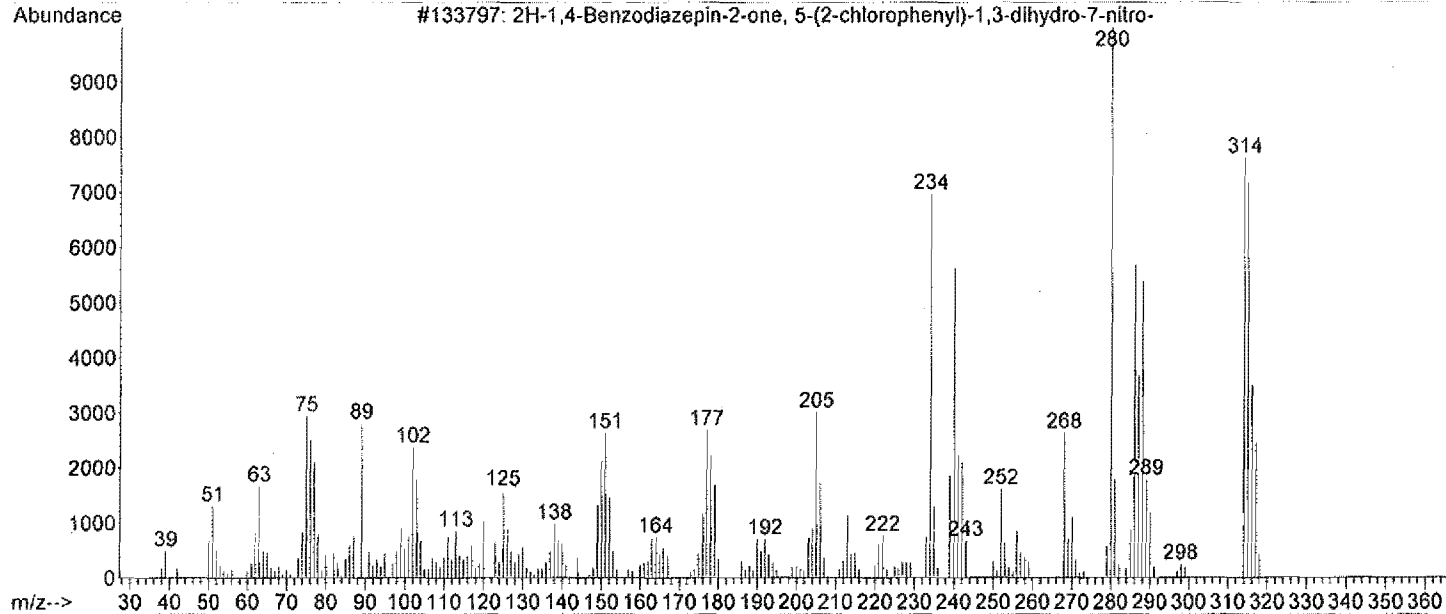
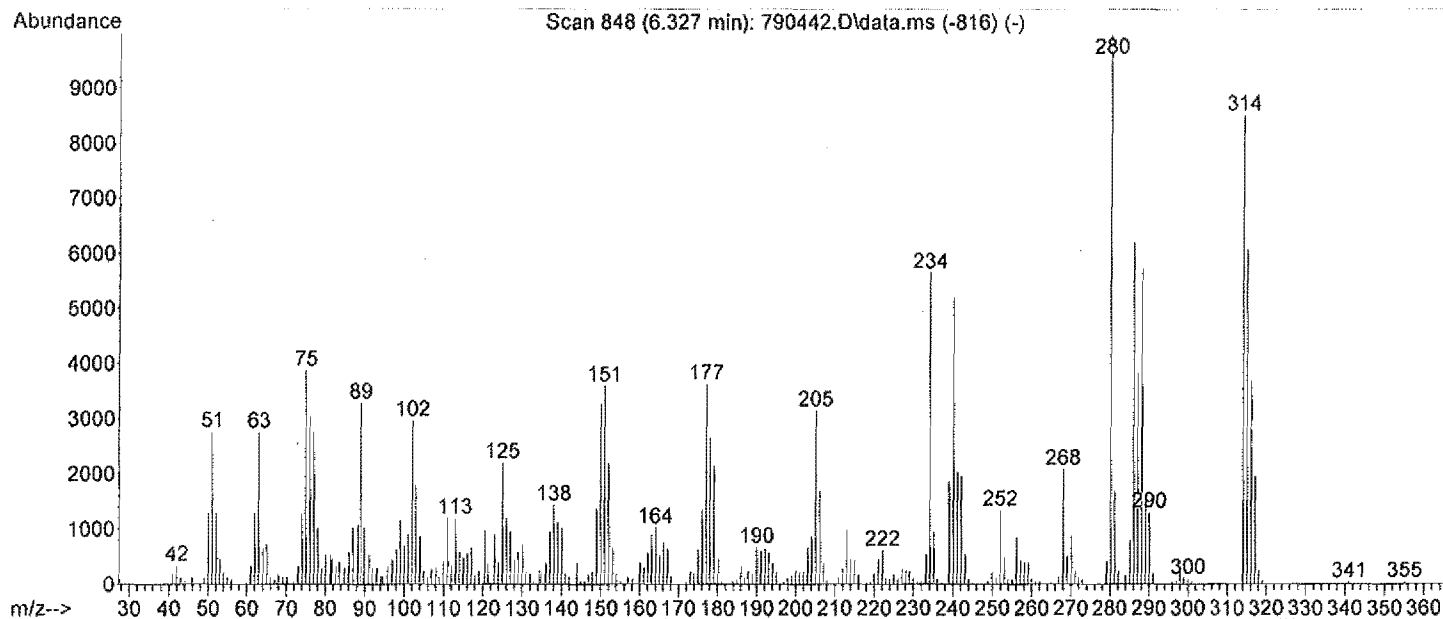


| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.327 | 1357913 | 100.00 | 100.00 |

Library Searched : C:\Database\NIST05a.L

Quality : 99

ID : 2H-1,4-Benzodiazepin-2-one, 5-(2-chlorophenyl)-1,3-dihydro-7-nitro-



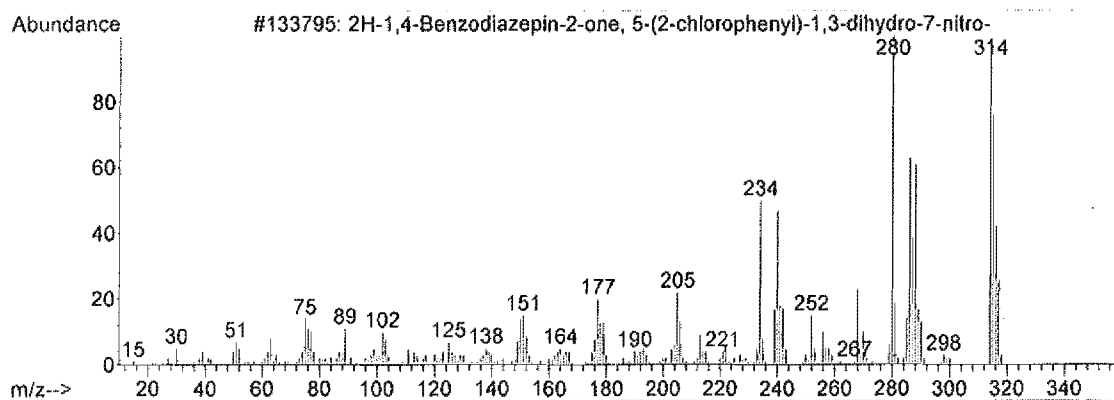
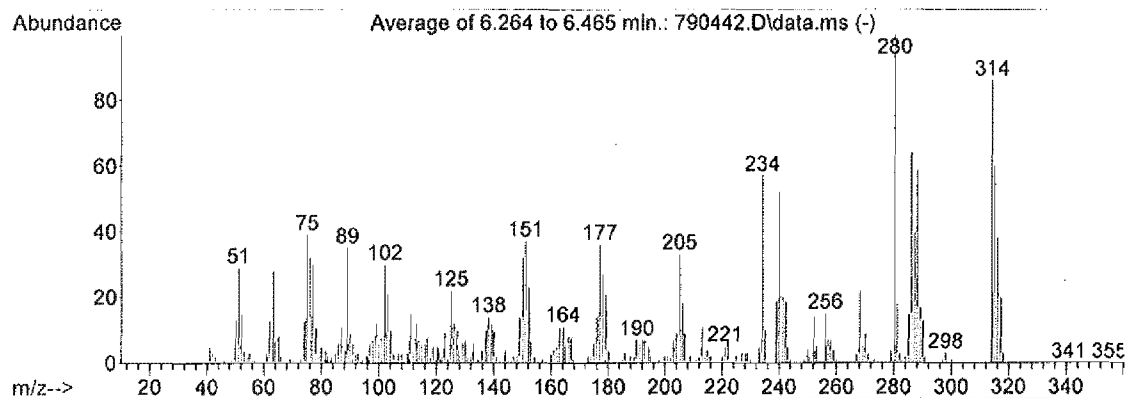
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790442.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 21:07
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

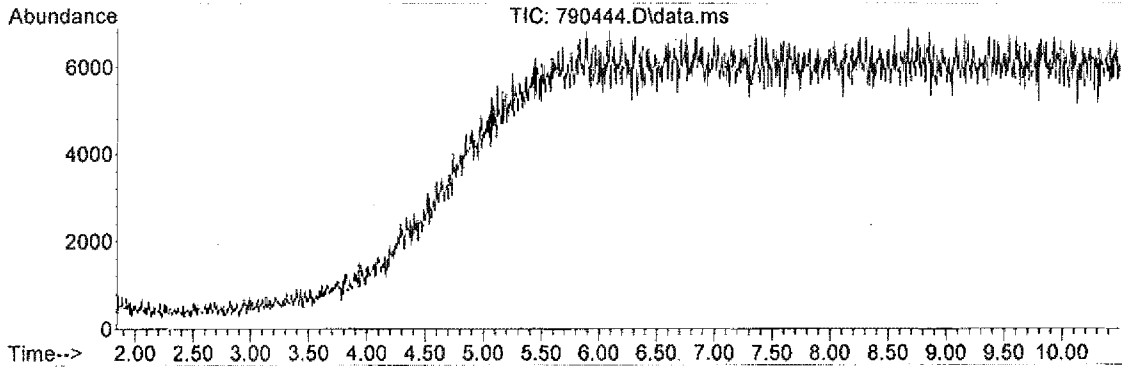
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 6.33 | C:\Database\NIST05a.L | | |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790444.D
Operator : DJR
Date Acquired : 2 Jun 2011 21:33
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: CLONAZ.M
Integrator : RTE



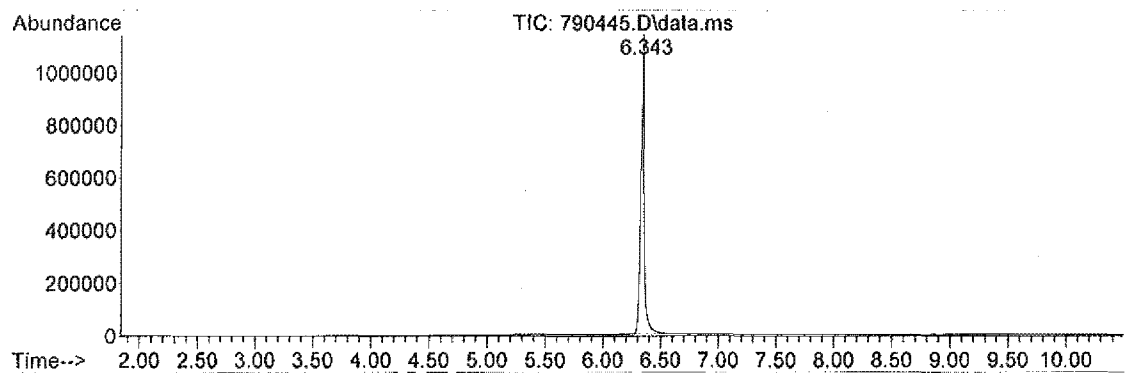
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790445.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 21:46
 Sample Name : CLONAZEPAM STD
 Submitted by :
 Vial Number : 36
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.343 | 2385027 | 100.00 | 100.00 |

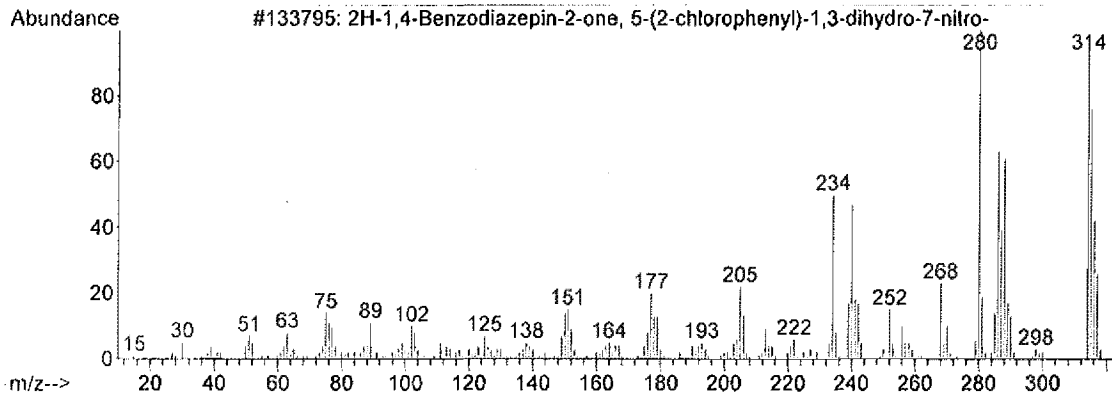
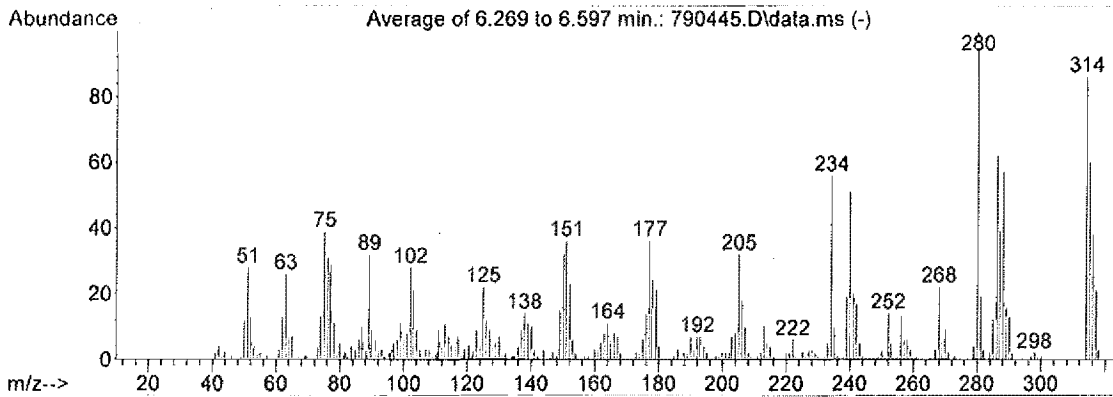
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_02_11\790445.D
 Operator : DJR
 Date Acquired : 2 Jun 2011 21:46
 Sample Name : CLONAZEPAM STD
 Submitted by :
 Vial Number : 36
 AcquisitionMeth: CLONAZ.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 6.34 | C:\Database\NIST05a.L | | |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |
| | | 2H-1,4-Benzodiazepin-2-one, 5-(2-ch | 001622-61-3 | 99 |

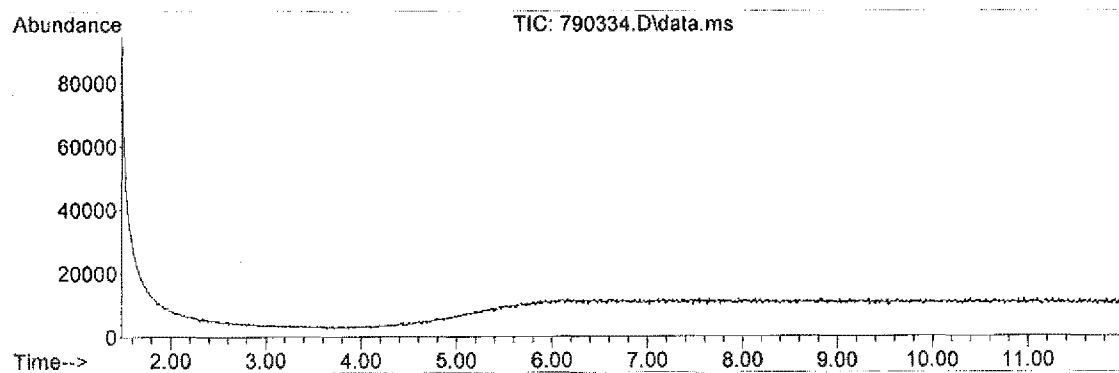


Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790334.D
 Operator : DJR
 Date Acquired : 1 Jun 2011 19:19
 Sample Name : BLANK
 Submitted by :
 Vial Number : 1
 AcquisitionMeth: NASALT.M
 Integrator : RTE

DJR
9-29-11



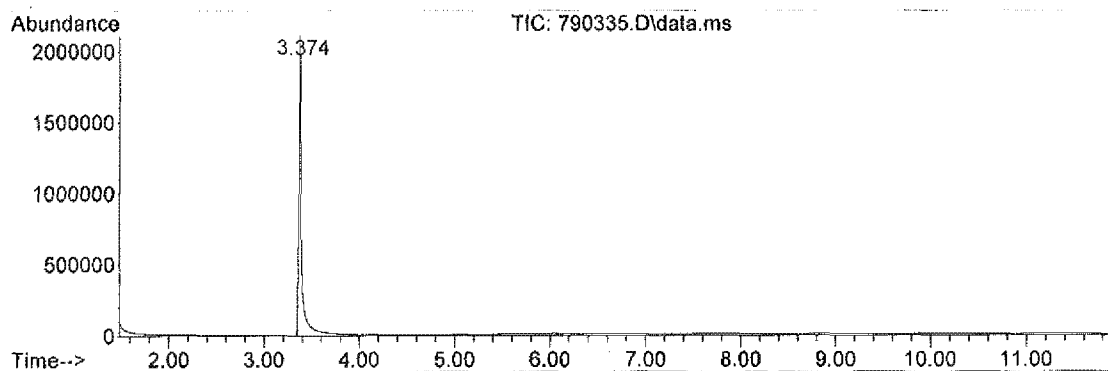
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790335.D
 Operator : DJR
 Date Acquired : 1 Jun 2011 19:33
 Sample Name : PHENOBARBITAL STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: NASALT.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.374 | 4384861 | 100.00 | 100.00 |

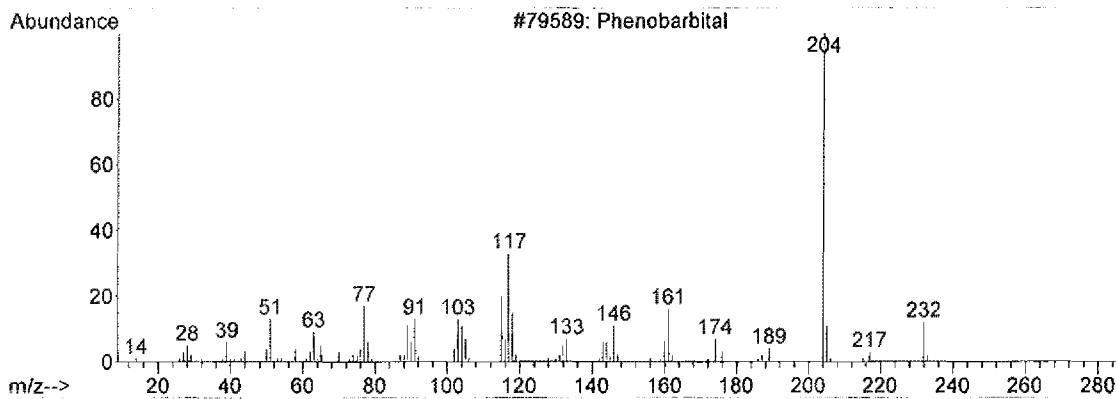
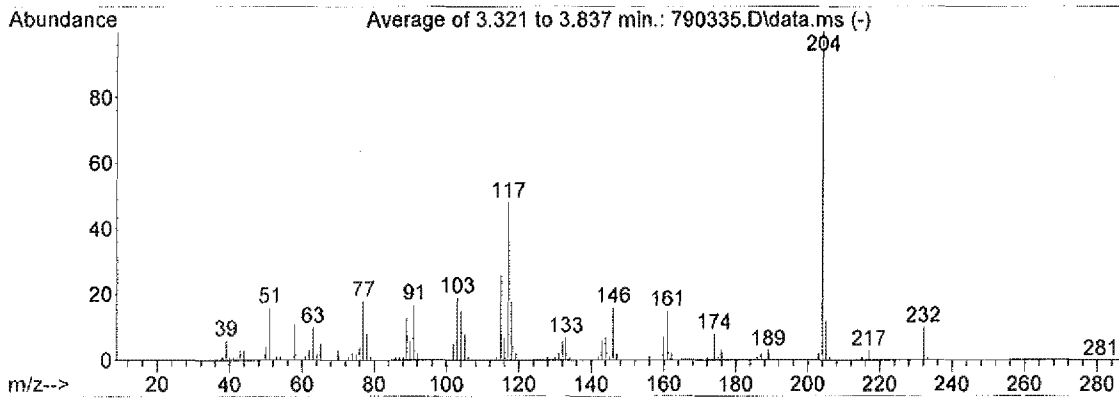
Area Percent / Library Search Report

Information from Data File:

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 Operator : DJR
 Date Acquired : 1 Jun 2011 19:33
 Sample Name : PHENOBARBITAL STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: NASALT.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

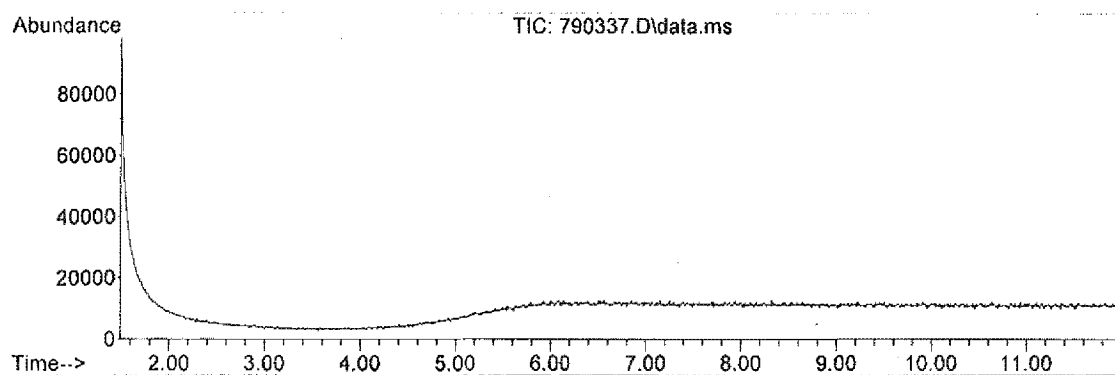
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.37 | C:\Database\NIST05a.L | | |
| | | Phenobarbital | 000050-06-6 | 98 |
| | | Phenobarbital | 000050-06-6 | 98 |
| | | Phenobarbital | 000050-06-6 | 95 |



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790337.D
Operator : DJR
Date Acquired : 1 Jun 2011 20:03
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: NASALT.M
Integrator : RTE

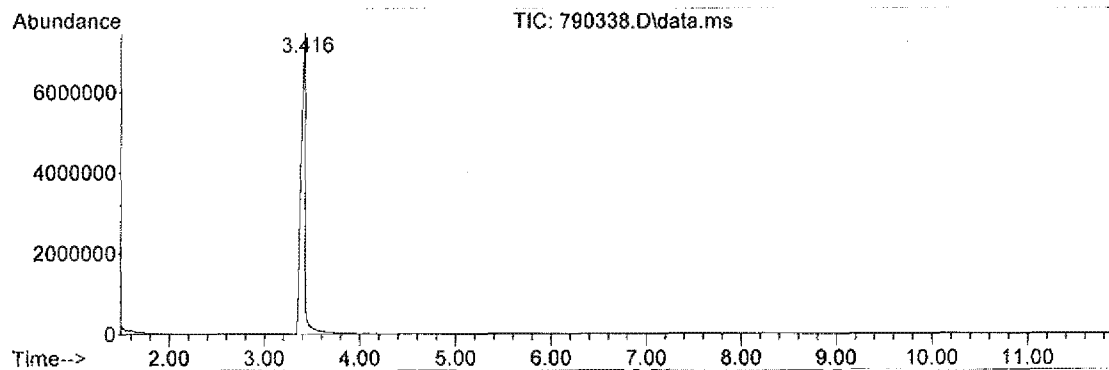


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790338.D
Operator : DJR
Date Acquired : 1 Jun 2011 20:18
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 38
AcquisitionMeth: NASALT.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|----------|--------|---------|
| 3.416 | 24342006 | 100.00 | 100.00 |

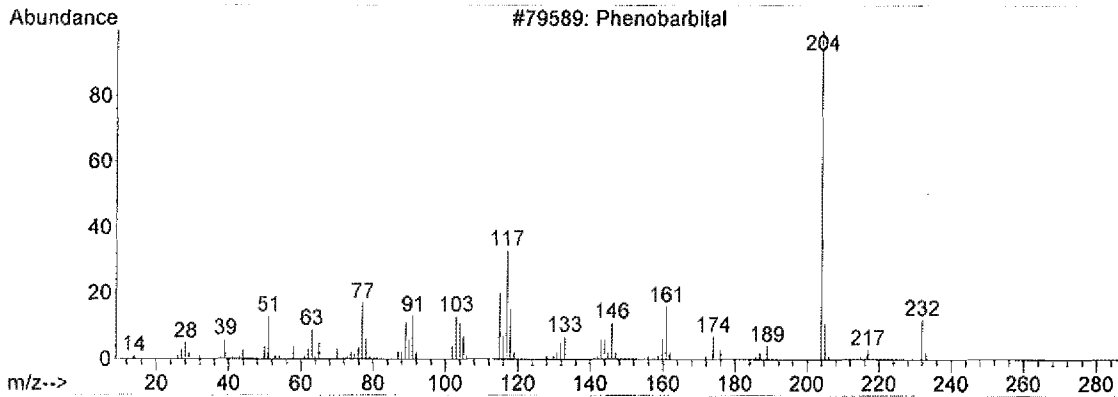
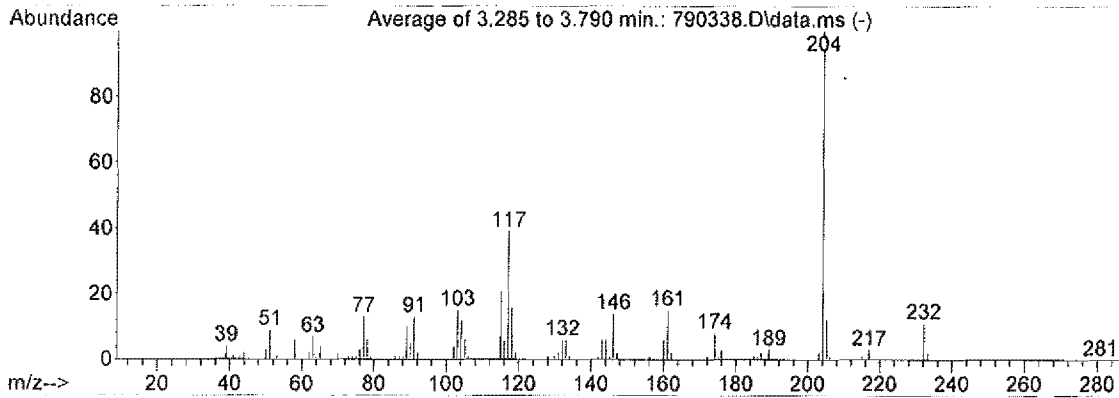
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790338.D
 Operator : DJR
 Date Acquired : 1 Jun 2011 20:18
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 38
 AcquisitionMeth: NASALT.M
 Integrator : RTE

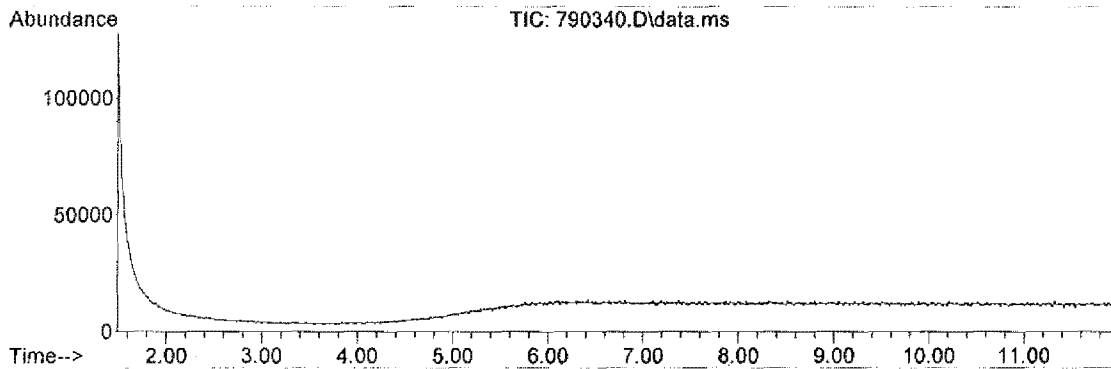
Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.42 | C:\Database\NIST05a.L | | |
| | | Phenobarbital | 000050-06-6 | 99 |
| | | Phenobarbital | 000050-06-6 | 99 |
| | | Phenobarbital | 000050-06-6 | 97 |



Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790340.D
Operator : DJR
Date Acquired : 1 Jun 2011 20:48
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: NASALT.M
Integrator : RTE

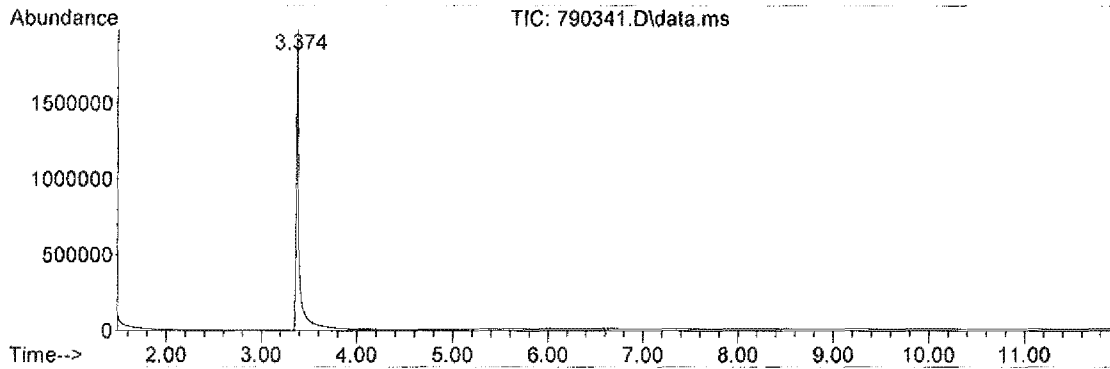


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790341.D
 Operator : DJR
 Date Acquired : 1 Jun 2011 21:03
 Sample Name : PHENOBARBITAL STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: NASALT.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.374 | 4364182 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\06_01_11\790341.D
 Operator : DJR
 Date Acquired : 1 Jun 2011 21:03
 Sample Name : PHENOBARBITAL STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: NASALT.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.37 | C:\Database\NIST05a.L | | |
| | | Phenobarbital | 000050-06-6 | 98 |
| | | Phenobarbital | 000050-06-6 | 98 |
| | | Phenobarbital | 000050-06-6 | 95 |

